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Figure 1. The effect of the number of iterations on the accuracy of the proposed algorithm. The figure shows two plots side-by-side. The left plot shows the error norm $\|e\|_2$ versus the number of iterations n , ranging from 0 to 100. The right plot shows the relative error $\frac{\|e\|_2}{\|x\|_2}$ versus the number of iterations n , ranging from 0 to 100. Both plots show a decreasing trend as the number of iterations increases, indicating convergence.